

THE GARZETTE

Volume 18, Issue 5

147.075+

444.525+5mhz

53.110 -1mhz

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A Note from the President, Norm Schklar, WA4ZXV

Four Days in May, FDIM, a QRP event that takes place during the Dayton Hamvention. It's held at the Holiday Inn in Fairborn which is about a 20 minute ride from the arena. Thursday and Friday evenings are open for the ham public. On Thursday evening starting at 8:00pm they'll have a few vendors setup to show their new low power wares and several members bring their pride and joy projects for the past year. Its fun to see what some of these folks can come up with from rigs to keys to antennas. There will be a cash bar and sometimes a fun contest or so. The presenters from the day's seminar will be available to answer questions about their presentation. (There is a fee for attending the Thursday Seminar.) Friday evening is another open house where members wishing to have their work judged by their peers put out their work and let the spectators vote on which is the most impressive. Also vendors will be set up showing their goodies. There are almost always some great prices. While on site, you could also enter the raffle drawing for a great rig. So if you are in Dayton and looking for something to do, go on by. More info is available at fdim.qrparci.org. And, no, I will not be there this year. I'm headed off to a wedding in NYC.

It seems I goofed when presenting the changes to the bylaws at the last meeting. So we'll need to recall the changes and present them again at a later date.

Plans for Field Day are moving right along. We'll be bigger and better this year. 8A and some new wire antenna configurations. We are trying to fill several operator and logger positions. The event is from 2:00pm Saturday until 2:00pm on Sunday. Obviously all bands will not be open the entire time. But we probably need a minimum of 5 stations running at most hours. With relief operators and meals, that takes a bunch of folks to keep the pressure of just a few. CW ops are especially helpful, as CW contacts count twice the points as phone. More info is on our web site, or contact KA4KKF for details.

Memorial Day parade is May 25th and Earl, AF4FG, is looking for members to help with marshalling the parade. It's a fun morning and we get to use our radios. As is customary we'll start out with an early breakfast at Waffle House. We're generally finished before 11:00am. We'll have a signup sheet at the May meeting, or you can contact Earl direct. <http://www.daculamemorialday.com>

On the radio front, I've been trying to get a reasonable BBS system working for VHF and HF. I had a doublet antenna blow down in one of the storms, but its back up now. And I've got plans to extend my loop to make it a full 529 foot. If you find one of those 43ft verticals with a balun lying on the side of the road, pick it up and let me know. I want to give one a try. And, I worked a few station in the Florida QSO party.

If you haven't noticed, we now accept dues payments through PayPal. There's a link on the web site.

73

Norm, WA4ZXV



May 2009

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2 0730 breakfast
3	4 2000 2m net	5	6 2100 6m net	7	8	9 0730 breakfast
10	11 2000 2m net	12 meeting	13 2100 6m net	14	15	16 0730 breakfast
17	18 2000 2m net	19	20 2100 6m net	21	22	23 0730 breakfast
24	25 2000 2m net	26	27 2100 6m net	28	29	30 0730 breakfast
31	1 JUNE 2000 2m net	2	3 2100 6m net	4	5	6 0730 breakfast

GARS Recurring Calendar

- Monthly club meeting is the 2nd Tuesday of the month at 7:30 PM. Check the Web Site for Location.
- Every Monday at 8 PM local time: GARS Want, Swap, Sell, and Information Net on the GARS 2 meter repeater
- Every Wednesday at 9 PM local time: GARS 6 meter net on the GARS 6 meter repeater
- Every Saturday at 7:30 AM local time: GARS Weekly Family Breakfast, Golden Corral Restaurant, Riverside Drive, Lawrenceville

The GARZETTE

The GARZETTE is the official monthly organ of the Gwinnett Amateur Radio Society serving its members and other persons interested in the advancement of the amateur radio art.

Original articles, art, and photos are invited and encouraged. Previously copyrighted submissions cannot be accepted for reprinting unless permission from the appropriate publisher is provided in writing along with the information being submitted. If reprints are from publications allowing their unrestricted use, please include a copy of the printed permission contained in the publication.

If possible, bring your articles to the monthly meeting in Microsoft Word format or email to ka4kkf@arrl.net. Artwork can be accepted in most any graphics format and can be submitted via email to the same address. Alternate means of submittal can be arranged when necessary. In keeping with the amateur radio spirit, permission is hereby granted for the reproduction of *The GARZETTE* articles by other amateur radio club newsletters provided that proper credit is given to the individual author and to *The GARZETTE*.

The GARZETTE is published each month with the assistance of Hal Manning, who prints the news letter. Rick Patchin, KD4RFK does the final production work on *The GARZETTE* by folding & labeling. Bill Cherepy, WB4WTN, stamps and gets the end product to the Post Office each month. Norm Schklar, wa4zxv, manages email delivery. Many thanks to each of them and all article contributors.

Deadline for submissions is the 20th of each month for inclusion in the following month's issue.

For any additional information contact: Newsletter Editor:

David Adcock ka4kkf
(770-271-9398)
ka4kkf@arrl.net

All correspondence relating to articles posted in *The GARZETTE* or for information concerning advertising rates should be directed to the following address:

Gwinnett Amateur Radio Society
P.O. Box 88
Lilburn, GA 30048
Attn: Newsletter Editor

Do you know a boy or girl
14 to 21 years old
who wants to:

Climb, Hike
Canoe, Camp
Talk on an amateur radio
Have Fun
Tell them about

Venture Crew 73

**We meet the second Tuesday
of each Month at 7:00PM
prior to the GARS meeting at
St. Marguerite D'Youville
Church..**

For more information Visit
www.gars.org/crew73
or contact Ray Back:

Email crew73@gars.org
Phone (770) 295-9174

GARS Communication System

70 Cm Repeater

444.525(+) MHz
82.5 PL Tone

APRS

144.390 -- 1200 Baud
W4GR

6 Meter Repeater

53.110 (-1 MHz)
82.5 PL Tone

D-Star

WD4STR
146.970 - (600KHZ)
440.550 + (5MHZ)

2 Meter Repeater

147.075(+) MHz
82.5 PL Tone

Main Repeater Site

Oak Street, Lawrenceville

Backup Repeater Site

Lanier Mountain, Snellville

Remote Receive Sites

Bogan Road, Buford

Goshen Springs Road,

Norcross

Lanier Mountain, Snellville

2009 Hamfest Schedule

May 9 Heart of Georgia Hamfest
Byron Middle School, Byron, GA
www.heartofgeorgiahamfest.com

May 15-17 ARRL National Convention
(Dayton Hamvention) Dayton ARA
<http://www.hamvention.org>

June 6
Georgia State Convention Atlanta Radio Club
(W4DOC)
Marietta, GA Jim Miller Park
<http://www.atlantahamfest.com>

Aug 8 Ellijay Ham Fest 2009
at the Ellijay Lions Club, Ellijay, Georgia.
<http://www.ngamtn.com/w4hhh/>

Oct 3 LaGrange Amateur Radio Club
<http://www.lagrangeradioclub.org/>
[LaGrange Hamfest Flyer 2009.pdf](#)

Metro Atlanta VE Exam Schedule

GARS publishes Metro Atlanta area VE exam schedules as a service and is not responsible for errors or changes. Call and confirm schedules before going. All sessions are walk-in. Take copies of current license and certificate of completed elements with you to all sessions. Find additional sessions online at www.arrl-ga.org

First Saturday, Even Months

9:00AM
EOC Building
Butch Nitz, AF4FS
(770) 968-8780

First Wednesday

7:00 PM
ARRL/VEC
Roberts School
4681 School Street,
Acworth
Jodi Escher AG4BK
770-387-1591

Second Saturday, Odd Months

ARRL VEC
8:30 AM
Stone Mountain Methodist
Church
5312 West Mountain St.
Stone Mountain
Bob Varone, W4ETN
(770) 978-3179

Third Saturday

CA VEC
9:00AM
Marietta First United
Methodist Church Room 305, 56
Whitlock Ave
Marietta
David Still, WB4RRD
(770) 973-2566

Fourth Tuesday

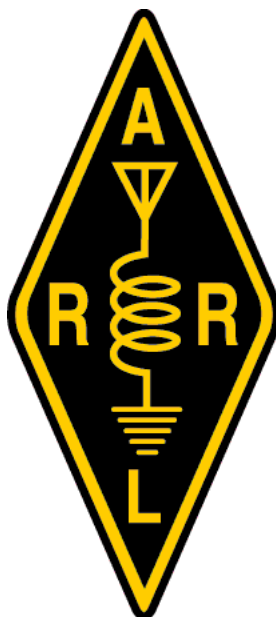
ARRL VEC
7:00 PM
United Way Service Center
6279 Fairburn Road,
Douglasville

Third Sunday

W5YI VEC
3:00 - 5:00 PM
Lawrenceville Masonic Lodge
465 South Perry Street
Lawrenceville, GA 30044
770-963-5721

Fourth Sunday

2:30 PM
Georgia Tech
GATECH-VANLEER ELEC ENGRG
BLDG-RMW218
777 ATLANTIC DRIVE
WWW.W4AQL.ORG
TALKIN 145.15-PL 167.9
ATLANTA, GA 30332
Contact: ALEXANDER G CARVER
(404)894-2936
ACARVER@ECE.GATECH.EDU



Metro Atlanta Club Meetings

First Tuesday

Kennehoochee ARC
Southern Polytechnic
State University
Meeting begins at 7:30 PM
Talk In 146.880(-)

Second Monday

Georgia Tech ARC
Room W218
Van Leer Electrical
Engineering Bldg.
Georgia Tech Campus
Meeting at 7:00 PM

First Thursday

Atlanta Radio Club
Georgia Red Cross HQ
1955 Monroe Dr., Atlanta
Meeting is at 7:30 PM
Talk In -146.820(-)

N.E. Georgia ARC

Commerce Public Library
Meeting is at 6:30 PM
Talk In - 147.225(+)
PL 123.0

Second Thursday

Alford Memorial Radio Club
Annistown Road Baptist Church
Intersection of Annistown Rd
& Spain Rd
Stone Mountain
Dinner at 6:00 PM
Meeting at 7:30 PM
Talk In - 146.760(-)

Third Tuesday

**North Fulton Amateur Radio
League**
Masonic Lodge
194 Milton Avenue
Alpharetta, Georgia
meeting at 7:30 PM
Talk In - 145.47(-)

Second Saturday

North GA QRP Club
Wieuca Baptist Church on
Peachtree Rd/Wieuca, 10 AM

April 2009 GARS General Meeting

April 14, 2009

1. Norm Schklar, WA4ZXV called the meeting to order at 7:30 pm.
2. Introductions were made of those present.
3. It was announced that Gordon Anthony, KF4OKA, is now in rehab for the blood clot in his leg.
4. Norm reviewed items on the GARS web site (WWW.GARS.ORG) with emphasis on the Field Day section which includes an area that allows sign up for operating times.
5. Earl Whatley, AF4FG, vice president, reminded everyone that the Dacula Memorial Day parade is Monday, May 25. As in the past we will be responsible for coordinating the parade entries. There will be a sign-up sheet next month.
6. Arnold Solomon, KC4ZUA, gave an interesting and entertaining program on the Strange Antenna Challenge 2009.

Break

7. Kyle Albritton, W4KDA, gave a fascinating program on his Loop Skywire antenna.
8. Dave Bruse, W4DTR, presented the by-laws change that had been previously published in the Garzette. He read the changes and explained that they removed the specific amount of dues from the by-laws and allow them to be set by the membership. After discussion, the amendment was approved.
9. One new member, Steve Risken, KG4CFF, technician class, was voted into full membership.
10. Prize drawings were held.
11. The meeting was adjourned at 9:21 pm.

Bylaws Changes Rescinded!

It seems I didn't follow proper procedures in asking for the vote on changes. For that reason, the executive committee has decided that rescinding the changes is appropriate. At some time in the future we will again publish the suggested changes and take the appropriate actions to have them approved. There was some feedback that we needed more time to discuss the changes and maybe use different wording. We will take that into consideration before publishing the suggested changes again.



AF4FO and K4HBI at play



Is that a pool table the cat is on?



You May Be Addicted To Amateur Radio If:

1. When someone asks for directions, you pause, wondering if long or short path would be best.
2. You have accidentally said your Amateur Radio call sign at the end of a telephone conversation.
3. When you look at a full moon and wonder how much antenna gain you would need.
4. When a friend gets a ride from you and remarks that you have a lot of CBs in your vehicle, it turns in to an hour long rant on how amateur radio is not CB radio.
5. When you can look at a globe and be able to point to your antipode (and you know what an antipode is).
6. Your cell phone ring tone is a Morse code message of some kind.
7. Your favorite vacation spots are always on mountain tops.
8. You notice more antennas than road signs while driving your car.
9. You have driven onto the shoulder of the road while looking at an antenna.
10. Porcupines appear to be fascinated with your car.
11. If you ever tried to figure out the operating frequency of your microwave oven.
12. When you look around your bedroom of wall to wall amateur radio gear and ask: Why am I still single?
13. The local city council doesn't like you.
14. You think towers look pretty.
15. Your family doesn't have a clue what to get you for Christmas, **even after you tell them.**
16. Your HF amplifier puts out more power than the local AM radio station.
17. The wife and kids are away and the first thing that goes through your head is that no one will bother you while you call "CQ DX" a few hundred times.
18. When you pull into a donut shop and the cops there on their coffee break ask if they can see **your** radio setup.
19. You refer to your children as your "Harmonics".
20. Your girlfriend or wife asks: "You're going to spend \$XXXX on what???"
21. You actually believe you got a good deal on eBay.
22. When you see a house with a metal roof, and your only thought is what a great ground plane that would be.
23. You have pictures of your radio equipment as wallpaper on your computer's desktop.
24. Every family vacation includes a stop at a Ham radio store.
25. The first question you ask the new car dealer is: "What is the alternator's current output?"
26. You buy a brand new car based on the radio mounting locations and antenna mounting possibilities.
27. You have tapped out Morse code on your car's horn.
28. A lightning storm takes out a new Laptop, Plasma TV, and DVD Recorder, but all you care about is if your radios are okay.
29. Your wife has had to ride in the back seat because you had radio equipment in the front seat.
30. Your wife was excited when you were talking about achieving that critical angle, but very disappointed when you finally did.
31. During a love making session with your wife, you stop to answer a call on the radio.
32. Your wife threatens you with divorce when you tell her that you are going on a "fox" hunt.
33. (Deleted due to divorce)
34. (Deleted due to domestic homicide)
35. You always park on the top floor of the deck, just in case you might have to wait in the car later.
36. When house hunting, you look for the best room for a radio shack and scan the property for possible tower placement.
37. When house hunting, you give your realtor topographical maps showing local elevations.
38. The real estate agent scratches his/her head when you ask if the soil conductivity is high, medium, or low.
39. You have amateur radio magazines in the bathroom.
40. When your doorbell rings, you **immediately** shut down the amplifier.
41. Fermentation never enters your mind when "homebrew" is mentioned.
42. Instead of just saying no, you have said "negative".
43. You have used a person's name to indicate acknowledgement.
44. You become impatient waiting for the latest AES catalog to arrive.
45. You have found yourself whistling "CQ" using Morse code.
46. You always schedule the third weekend in May for vacation.
47. You walk carefully in your back yard to avoid being cloths-lined.
48. You have deep anxiety or panic attacks during high winds or heavy ice.
49. You and the FedEx/UPS men are on a first name basis.

Continued on page 8

Digital

By David, KA4KKF

Are you doing digital communications in your shack?

What modes are you doing? PSKxx, digital sstv, RTTY, ASCII, MFSK, Packet and CW, HELLSCHREIBER, THROB, and all the TOR packages.

Do you use a TNC or a Sound Card interface to do digital modes. What kind of interface do you use with your computer?

I build my own psk interfaces. I use transformer isolation and 2n25 optoisolation ic's for keying the rig. There are a lot of informational web sites to search and read. They will provide you with schematics and an explanation on putting the kits together. The software comes in all flavors from simple to complex do it all for you. Some are free and some cost money. I tend to use the free stuff. They are made for windows and some are made for Linux. If you like to experiment, setup a linux box and get it own the air.

It started with the first PC soundcard version in 1998 and has grown to a few more modes using this technology.

Instead of keying using Frequency Shift, FSK, these modes use Phase Shift Keying. (psk) It uses BPSK or QPSK with a Viterbi decoder in the software.

The following web sites will give you information and examples of what each mode sounds like. You'll be ahead of the game by listening to these examples before you get on the air.

Hope to see you on the air,

73,

David, Ka4kkf

<http://www.ac6v.com/opmodes.htm#D>

<http://www.qsl.net/wm2u/psk31.html>

<http://www.arrl.org/tis/info/psk31.html>

<http://aintel.bi.ehu.es/psk31.html>

<http://www.packetradio.com/>

http://www.n0hr.com/PocketDigi/PocketDigi_Tigertronics_Interface.htm

<http://www.kb9ukd.com/digital/>

You might Be!

Continued from page 7

50. You really start to miss people that you've never seen.

51. Your exercise machine is a Morse code keyer.

52. You walk through the plumbing section at the hardware store and see antenna parts.

53. Your neighbors thought you were nuts when you ripped up your lawn to bury chicken wire.

54. Your next door neighbor thinks that your wife is a widow.

55. Your wife has delivered meals to your Ham shack.

56. If you sold all your amateur radio equipment, you could pay off your mortgage.

GARS

APPAREL ORDER FORM

NAME: _____ PHONE # _____

CALL: _____

NAME TO BE EMBROIDERED: _____

CALL SIGN TO BE EMBROIDERED: _____

ITEM	SIZE	QUANTITY	PRICE	TOTAL
T-SHIRT				
Red WITHOUT name & call			\$20.00	
White WITHOUT name & call			\$20.00	
Red WITH name & call			\$20.00	
White WITH name & call			\$20.00	
GOLF SHIRT -- WITHOUT name & call				
Red			\$24.00	
White			\$24.00	
GOLF SHIRT -- WITH name & call				
Red			\$28.00	
White			\$28.00	
SWEATSHIRT				
Red WITHOUT name & call			\$30.00	
White WITHOUT name & call			\$30.00	
Red WITH name & call			\$30.00	
White WITH name & call			\$30.00	
LIGHTWEIGHT JACKET -- RED ONLY				
WITHOUT name & call			\$31.00	
WITH name & call			\$35.00	
HEAVYWEIGHT JACKET -- RED ONLY				
WITHOUT name & call			\$41.00	
WITH name & call			\$45.00	
GARS BADGE -- WITH name & call			\$9.00	
HAT -- WITHOUT name & call				
Red			\$9.00	
White			\$9.00	
HAT -- WITH name & call				
Red			\$14.00	
White			\$14.00	

TOTAL ORDER PRICE: _____

Please attach your check made payable to GARS and return to Dick Sandberg, N9SXJ or mail to:

GARS
P.O. Box 88
Lilburn, Georgia 30048

NOTE: Please allow at least 4 weeks for delivery of items. Some items may need to be special ordered.

Thanks and 73s! -- Dick N9SXJ

Gwinnett Amateur Radio Society
P.O. Box 88 Lilburn, GA 30048

MEMBERSHIP APPLICATION

NEW MEMBER

RENEWAL

Amateur Call Sign _____ License Class Novice Technician General
Advanced Extra

Name _____

Address _____

City _____ State _____ Zip _____ - _____

Email address _____

Home Telephone _____ Work Telephone _____

Cell Telephone _____ Date of Birth ____ / ____ / ____ (mm/dd/yy)

ARRL Member Yes No Life

Interests _____

I prefer to receive the GARZETTE newsletter by: US Mail Email (please check only one)

Type of Membership

Individual \$30.00 annually
Student \$15.00 annually
Senior \$15.00 annually (over age 65)
Family ** \$35.00 annually

** Available for family members residing at the same address

Optional Contributions

Repeater Fund \$ _____

Scholarship Fund \$ _____

Additional Family Members **

Name _____ Date of Birth ____ / ____ / ____ (mm/dd/yy)

License Class Technician General Extra ARRL Member Yes No Life

Interests _____

Name: _____ Date of Birth ____ / ____ / ____ (mm/dd/yy)

License Class Technician General Extra ARRL Member Yes No Life

Interests _____

I agree to abide by the By-Laws of the Gwinnett Amateur Radio Society and understand that membership is subject to the approval of the Club.

Applicant Signature _____ Date ____ / ____ / ____

GARS Appreciates these fine sponsors that support our great organization!

**GWINNETT COLLISION
CENTER, INC.**

305 Sharon Ind. Way
Suwanee, Georgia 30024
945-0161

Import and Domestic
Unibody and Frame Repair
Marty Fowler, KE4MLH Mark Justice

WORLD WIDE DISTRIBUTION

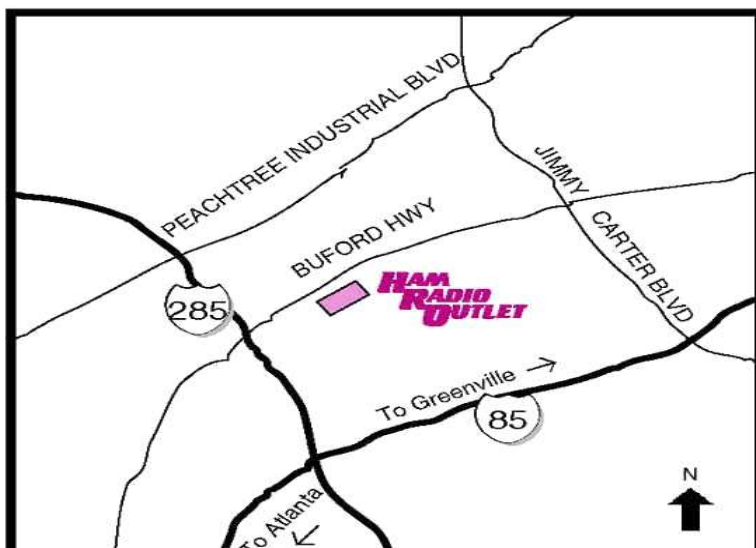


Mark Holmes
Manager
KJ4VO

6071 Buford Highway
Atlanta, GA 30340 (Doraville)
770-263-0700 1-800-444-7927
Fax 770-263-9548

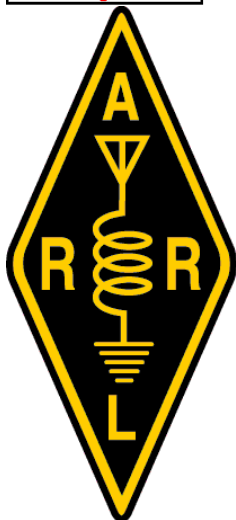
Mark KJ4VO Bill W5RQR David KE4VDH Tom KB4HQA

Dale W4GCL Jim N1ABM Josh W4JDH Brian KC4UKR



Alinco
Icom
Japan Radio Corp
Kenwood
Premier
ADI
Yaesu
Alpha Delta
Arrow
Butternut
Create
Cushcraft
Diamond
Force 12
Hustler
Hy-Gain (Telex)
KLM
Larsen
M2
Premier
Valor
Van Gorden

Gwinnett Amateur Radio Society
P.O. Box 88
Lilburn, GA 30048



To receive the **Garzette** via e mail contact, please contact the membership chairman

Saturday Morning

Breakfast

Join us at the Golden Coral
on Riverside Drive in

Lawrenceville at 7:30 a.m.

Next Meeting

Tuesday, May 12th

**The Meetings are on the
Second Tuesday of the
month 7:30pm at the
St Marguerite
D'Youville Church,**

85 Gloster Rd NW,

**Lawrenceville, GA 30044.
Just off Highway 29 SW
of Lawrenceville.**

**Directions on the Web
site.**

<http://www.gars.org>

**PRUDENTIAL
GEORGIA
REALTY**

SHARON ADCOCK

404-428-9127

sharon@sharonadcock.com

You need an EXPERT on
Your team when
BUYING or SELLING
Real Estate

11+ Years Experience of
listening and filling YOUR
needs



www.sharonadcock.prudentialgeorgia.com

**GARS Specialist
Top Negotiator
Top Agent**



Helping "HAMS" with the Sale and
Purchase of their properties takes
Extra Time, Effort and Dedication.
Not every agent is willing to make
that Commitment.

Call me for when You or Your Friends
and Family are ready to Make a Move.

****References available upon Request**